

§ 73.90

- Milk cooler heat exchangers
 - Direct expansion/ice bank milk cooling
 - Low energy precision application systems
 - Heat pump crop drying
- 1.5 Government Services Sector
- 1.5.1 Streetlighting
- Replace incandescent and mercury vapor lamps with high pressure sodium and metal halide
- 1.5.2 Other
- Energy efficiency improvements in motors, pumps, and controls for water supply and waste water treatment
 - District heating and cooling measures derived for cogeneration that result in electricity savings

2. Supply-side Measures Applicable for Reduced Utilization

Supply-side measures that may be approved for purposes of reduced utilization plans under § 72.43 include the following:

- 2.1 Generation efficiency
- Heat rate improvement programs
 - Availability improvement programs
 - Coal cleaning measures that improve boiler efficiency
 - Turbine improvements
 - Boiler improvements
 - Control improvements, including artificial intelligence and expert systems
 - Distributed control—local (real-time) versus central (delayed)
 - Equipment monitoring
 - Performance monitoring
 - Preventive maintenance
 - Additional or improved heat recovery
 - Sliding/variable pressure operations
 - Adjustable speed drives
 - Improved personnel training to improve man/machine interface
- 2.2 Transmission and distribution efficiency
- High efficiency transformer switchouts using amorphous core and silicon steel technologies
 - Low-loss windings
 - Innovative cable insulation
 - Reactive power dispatch optimization
 - Power factor control
 - Primary feeder reconfiguration
 - Primary distribution voltage upgrades
 - High efficiency substation transformers
 - Controllable series capacitors
 - Real-time distribution data acquisition analysis and control systems
 - Conservation voltage regulation

3. Renewable Energy Generation Measures Applicable for the Conservation and Renewable Energy Reserve Program

The following listed measures are approved as “qualified renewable energy generation” for purposes of the Conservation and Renewable Energy Reserve Program. Measures not appearing on the list may also be qualified

40 CFR Ch. I (7–1–96 Edition)

renewable energy generation measures if they meet the requirements specified in § 73.81.

3.1 Biomass resources

- Combustible energy-producing materials from biological sources which include: wood, plant residues, biological wastes, landfill gas, energy crops, and eligible components of municipal solid waste.

3.2 Solar resources

- Solar thermal systems and the non-fossil fuel portion of solar thermal hybrid systems
- Grid and non-grid connected photovoltaic systems, including systems added for voltage or capacity augmentation of a distribution grid.

3.4 Geothermal resources

- Hydrothermal or geopressurized resources used for dry steam, flash steam, or binary cycle generation of electricity.

3.5 Wind resources

- Grid-connected and non-grid-connected wind farms
- Individual wind-driven electrical generating turbines

Subpart G—Small Diesel Refineries

§ 73.90 Allowance allocations for small diesel refineries.

(a) *Initial certification of eligibility.* The certifying official of a refinery that seeks allowances under this section shall apply for certification of its facility eligibility prior to or accompanying a request for allowances under paragraph (d) of this section. A completed application for certification, submitted to the address in § 73.13 of this chapter, shall include the following:

(1) Photocopies of Form EIA-810 for each month of calendar year 1990 for the refinery;

(2) Photocopies of Form EIA-810 for each month of calendar year 1990 for each refinery that is owned or controlled by the refiner which owns or controls the refinery seeking certification; and

(3) A letter certified by the certifying official that the submitted photocopies are exact duplicates of those forms filed with the Department of Energy for 1990.

(b) *Request for allowances.* (1) In addition to the application for certification, prior to, or accompanying, the request for allowances, the certifying official for the refinery shall submit an